

# Claims

- [c1] What is claimed is:
1. A DC powered AC electricity supply device, comprising:
    - a) A plurality of inverters;
    - b) A DC power source connected to each inverter;
    - c) A controller connected to said inverter; and
    - d) where said controller measures the power consumption and based on said power consumption determines which inverter to activate.
  - [c2] 2. A device as in claim 1 where said DC power source is a battery.
  - [c3] 3. A device as in claim 1 wherein each said inverter has its own controller.
  - [c4] 4. A device as in claim 1 wherein said controller is connected to said inverter through a communication bus.
  - [c5] 5. A device as in claim 1 wherein said inverters are of different power ratings
  6. A device as in claim 1 wherein said controller connects to a sensor and said sensor is used to measure the power consumption.

- [c6] 7. A device as in claim 1 wherein said DC power source and inverter combinations are connected in parallel.
- [c7] 8. A device as in claim 1 wherein a DC power source can be recharged when not in use.
- [c8] 9. A device as in claim 1 where said DC power source is a capacitor.
- [c9] 10. A device as in claim 1 where said DC power sources are identical.
- [c10] 11. A method of producing a DC powered AC electricity supply, comprising:  
Having a plurality of inverters;  
connecting a DC power source to each inverter;  
connecting a controller to said inverter; and  
having said controller measuring the power consumption and based on said power consumption determining which inverter to activate.
- [c11] 12. A method as in claim 11 where said DC power source is a battery.
- [c12] 13. A method as in claim 11 wherein each said inverter having its own controller.
- [c13] 14. A method as in claim 11 wherein connecting said controller said inverter through a communication bus.

- [c14] 15. A device as in claim 11 wherein having said inverters be of different power ratings
- [c15] 16. A method as in claim 11 wherein connecting said controller to a sensor and having said sensor measure the power consumption.
- [c16] 17. A method as in claim 11 wherein said DC power source and inverter combinations are connected in parallel.
- [c17] 18. A method as in claim 11 wherein a DC power source can be recharged when not in use.
- [c18] 19. A method as in claim 11 where said DC power source is a capacitor.
- [c19] 20. A method as in claim 11 where said DC power sources are identical.